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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=11; day=13; hr=7; min=47; sec=42; ms=190; ]

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\*\*\*\*\*

Reviewer Comments:

<110> PITSON, Stuart, M.

XIA, Pu

MORETTI, Paul. A.

DOBBINS, Julia R.

VADAS, Matthew, A.

WATTENBERG, Brian W.

<120> A Method of Modulating Cellular Activity

<130> 229752003700

<140> US 10/509,036

<141> 2003-3-28

<150> PCT/AU03/00388

<151> 2003-3-28

<150> 2003900230

<151> 2003-1-21

\* \* \* \* \*

Please change the dates for numeric identifiers <141> and <151> to the correct format, YYYY-MM-DD.

210> 7

<211> 20

<212> DNA

<213> mammalian

<400> 7

aagagtgggc gcccaagacac

20

Please correct numeric identifier <210> to have both brackets around the number.

```
<210> 8
<211> 28
<212> DNA
<213> mammalian
* * * * *
<210> 9
<211> 24
<212> DNA
<213> mammalian
* * * * *
<210> 10
<211> 24
<212> DNA
<213> mammalian

* * * * *
<210> 11
<211> 19
<212> DNA
<213> mammalian
* * * * *
<210> 12
<211> 384
<212> PRT
<213> mammalian
* * * * *
```

For SEQ ID # 1 through 12, numeric identifier <213> can only be one of three choices, "Scientific name, i.e. Genus/species, Unknown or Artificial Sequence." For all sequences using "Unknown or Artificial sequence", for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of <220>, which remains blank, and <223>, which states the source of the genetic material. Suggest using "Unknown" for numeric identifier <213> and "mammalian" for numeric identifier <223> in the mandatory feature. Please make all necessary changes.

```
<210> 13
<211> 26
<212> DNA
<213> primers
* * * * *
<210> 14
<211> 29
<212> DNA
<213> primers
* * * * *
```

For SEQ ID # 13 and 14, numeric identifier <213> can only be one of three choices, "Scientific name, i.e. Genus/species, Unknown or Artificial Sequence." For all sequences using "Unknown or Artificial sequence", for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of <220>, which remains blank, and <223>, which states the source of the genetic material. Suggest using "Artificial sequence" for numeric identifier <213> and "primers" for numeric identifier <223> in the mandatory feature. Please make all necessary changes.

```
*****
```

Application No: 10509036 Version No: 1.0

**Input Set:****Output Set:**

**Started:** 2008-11-12 15:22:02.667  
**Finished:** 2008-11-12 15:22:04.649  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 982 ms  
**Total Warnings:** 14  
**Total Errors:** 7  
**No. of SeqIDs Defined:** 14  
**Actual SeqID Count:** 13

Error code	Error Description
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <141>
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <151>
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <151>
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (6)
E 212	Invalid Sequence ID Number; Expected 7 as next SeqID but skipped
W 402	Undefined organism found in <213> in SEQ ID (8)
E 249	Order Sequence Error <210> -> <212>; Expected Mandatory Tag: <211> in SEQID ( 9 )
W 402	Undefined organism found in <213> in SEQ ID (9)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 402	Undefined organism found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)

**Input Set:**

**Output Set:**

**Started:** 2008-11-12 15:22:02.667  
**Finished:** 2008-11-12 15:22:04.649  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 982 ms  
**Total Warnings:** 14  
**Total Errors:** 7  
**No. of SeqIDs Defined:** 14  
**Actual SeqID Count:** 13

Error code	Error Description
E 252	Calc# of Seq. differs from actual; 14 seqIds defined; count=13
E 250	Structural Validation Error; Sequence listing may not be indexable

# SEQUENCE LISTING

<110> PITSON, Stuart, M.  
 XIA, Pu  
 MORETTI, Paul. A.  
 DOBBINS, Julia R.  
 VADAS, Matthew, A.  
 WATTENBERG, Brian W.

<120> A Method of Modulating Cellular Activity

<130> 229752003700

<140> US 10/509,036

<141> 2003-3-28

<150> PCT/AU03/00388

<151> 2003-3-28

<150> 2003900230

<151> 2003-1-21

<150> 2002951668

<151> 2002-09-19

<150> PS1538

<151> 2002-04-05

<150> PS1621

<151> 2002-04-08

<150> PS1448

<151> 2002-03-28

<160> 14

<170> PatentIn version 3.1

<210> 1

<211> 10

<212> PRT

<213> mammalian

<400> 1

Lys Thr Pro Ala Ser Pro Val Val Val Gln

1 5 10

<210> 2

<211> 14

<212> PRT

<213> mammalian

<400> 2

Cys Gly Ser Lys Thr Pro Ala Ser Pro Val Val Val Gln Gln

1 5 10

<210> 3  
<211> 11  
<212> PRT  
<213> mammalian

<400> 3

Ser Lys Thr Pro Ala Ser Pro Val Val Val Gln  
1 5 10

<210> 4  
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<212> DNA  
<213> mammalian

<400> 4

cggtgtgtgg cgcccatgaa c 21

<210> 5  
<211> 24  
<212> DNA  
<213> mammalian

<400> 5

tgtggacctc gaggtgaga agta 24

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<212> DNA  
<213> mammalian

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agtgagaagg ctgggcgcct gggggag 27

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<211> 20  
<212> DNA  
<213> mammalian

<400> 7

aagagtgggc gccaaagacac 20

<210> 8  
<211> 28  
<212> DNA  
<213> mammalian

<400> 8

aagagtggga tccaaggcgc ctgcctcc 28

<210> 9

<211> 24

<212> DNA

<213> mammalian

<400> 9

aagacacctg cggcgcccgt tgtg 24

<210> 10

<211> 24

<212> DNA

<213> mammalian

<400> 10

acacctgccg aaccggttgt ggtc 24

<210> 11

<211> 19

<212> DNA

<213> mammalian

<400> 11

tctcactggg cagtgggtgc 19

<210> 12

<211> 384

<212> PRT

<213> mammalian

<400> 12

Met	Asp	Pro	Ala	Gly	Gly	Pro	Arg	Gly	Val	Leu	Pro	Arg	Pro	Cys	Arg
1			5					10						15	

Val	Leu	Val	Leu	Leu	Asn	Pro	Arg	Gly	Gly	Lys	Gly	Lys	Ala	Leu	Gln
	20							25					30		

Leu	Phe	Arg	Ser	His	Val	Gln	Pro	Leu	Leu	Ala	Glu	Ala	Glu	Ile	Ser
	35						40					45			

Phe	Thr	Leu	Met	Leu	Thr	Glu	Arg	Arg	Asn	His	Ala	Arg	Glu	Leu	Val
50						55					60				

Arg	Ser	Glu	Glu	Leu	Gly	Arg	Trp	Asp	Ala	Leu	Val	Val	Met	Ser	Gly
65					70					75					80



Asp	Gly	Leu	Met	His	Glu	Val	Val	Asn	Gly	Leu	Met	Glu	Arg	Pro	Asp	85	90	95
Trp	Glu	Thr	Ala	Ile	Gln	Lys	Pro	Leu	Cys	Ser	Leu	Pro	Ala	Gly	Ser	100	105	110
Gly	Asn	Ala	Leu	Ala	Ala	Ser	Leu	Asn	His	Tyr	Ala	Gly	Tyr	Glu	Gln	115	120	125
Val	Thr	Asn	Glu	Asp	Leu	Leu	Thr	Asn	Cys	Thr	Leu	Leu	Leu	Cys	Arg	130	135	140
Arg	Leu	Leu	Ser	Pro	Met	Asn	Leu	Leu	Ser	Leu	His	Thr	Ala	Ser	Gly	145	150	155
Leu	Arg	Leu	Phe	Ser	Val	Leu	Ser	Leu	Ala	Trp	Gly	Phe	Ile	Ala	Asp	165	170	175
Val	Asp	Leu	Glu	Ser	Glu	Lys	Tyr	Arg	Arg	Leu	Gly	Glu	Met	Arg	Phe	180	185	190
Thr	Leu	Gly	Thr	Phe	Leu	Arg	Leu	Ala	Ala	Leu	Arg	Thr	Tyr	Arg	Gly	195	200	205
Arg	Leu	Ala	Tyr	Leu	Pro	Val	Gly	Arg	Val	Gly	Ser	Lys	Thr	Pro	Ala	210	215	220
Ser	Pro	Val	Val	Val	Gln	Gln	Gly	Pro	Val	Asp	Ala	His	Leu	Val	Pro	225	230	235
Leu	Glu	Glu	Pro	Val	Pro	Ser	His	Trp	Thr	Val	Val	Pro	Asp	Glu	Asp	245	250	255
Phe	Val	Leu	Val	Leu	Ala	Leu	Leu	His	Ser	His	Leu	Gly	Ser	Glu	Met	260	265	270
Phe	Ala	Ala	Pro	Met	Gly	Arg	Cys	Ala	Ala	Gly	Val	Met	His	Leu	Phe	275	280	285
Tyr	Val	Arg	Ala	Gly	Val	Ser	Arg	Ala	Met	Leu	Leu	Arg	Leu	Phe	Leu	290	295	300
Ala	Met	Glu	Lys	Gly	Arg	His	Met	Glu	Tyr	Glu	Cys	Pro	Tyr	Leu	Val	305	310	315
Tyr	Val	Pro	Val	Val	Ala	Phe	Arg	Leu	Glu	Pro	Lys	Asp	Gly	Lys	Gly	325	330	335
Met	Phe	Ala	Val	Asp	Gly	Glu	Leu	Met	Val	Ser	Glu	Ala	Val	Gln	Gly	340	345	350
Gln	Val	His	Pro	Asn	Tyr	Phe	Trp	Met	Val	Ser	Gly	Cys	Val	Glu	Pro	355	360	365
Pro	Pro	Ser	Trp	Lys	Pro	Gln	Gln	Met	Pro	Pro	Pro	Glu	Glu	Pro	Leu	370	375	380

<210> 13  
<211> 26  
<212> DNA  
<213> primers

<400> 13

taaagcttgc caccatggtg agcaag 26

<210> 14  
<211> 29  
<212> DNA  
<213> primers

<400> 14

atggatccat cttgtacagc tcgtccatg 29